TRANSACTIONS OF THE AMERICAN MATHEMATICAL SOCIETY

INDEX, VOLUMES 41–50

1937–1941

	Vol.	Pages
Adams, C. R., and Clarkson, J. A. The type of certain Borel sets in several Banach spaces	45_2	332–334
—— Correction to "Properties of functions $f(x, y)$ of bounded variation"	46_3	468
Adams, C. R., and Morse, A. P. On the space (BV)	42_2	194–205
—— Continuous additive functionals on the space (BV) and certain subspaces	48_1	82–100
Adkisson, V. W. Plane peanian continua with unique maps on the sphere and in the plane	44_1	58– 67
Agnew, R. P. Comparison of products of methods of summability	43_3	327–343
—— On kernels of faltung transformations	48_1	1– 20
Ahlfors, L. V. On Phragmén-Lindelöf's principle	41_1	1– 8
—— An extension of Schwarz's lemma	43_3	359–364
Albert, A. A. Symmetric and alternate matrices in an arbitrary field, I	43_3	386–436
Alexander, H. W. The role of the mean curvature in the immersion theory of surfaces	47_2	230–253
Alexandroff, P. General combinatorial topology	49_1	41–105
Ambrose, W. On measurable stochastic processes	47_1	66– 79
Baer, R. Groups with abelian central quotient group	44_3	357–386
—— Groups with preassigned central and central quotient group	44_3	387–412
—— Nets and groups	46_1	110–141
—— Nilpotent groups and their generalizations	47_3	393–434
—— Nets and groups. II	47_3	435–439
Beckenbach, E. F., and Reade, M. Generalizations to space of the Cauchy and Morera theorems	49_3	354–377
Bell, E. T. Polynomial approximations for elliptic functions.	44_1	47– 57
Bell, P. O. A study of curved surfaces by means of certain associated ruled surfaces	46_3	389–409
—— On differential geometry intrinsically connected with a surface element of projective arc length	50_3	529–547
Bernstein, B. A. Postulates for abelian groups and fields in terms of non-associative operations	43_1	1– 6
Berry, A. C. The accuracy of the Gaussian approximation to the sum of independent variates	49_1	122–136

	Vol.	Pages
Bird, M. T. On a classification of integral functions by means of certain invariant point properties. A supplement	42_2	191–193
Birkhoff, G. Analytical groups	43_1	61–101
Bliss, G. A. Normality and abnormality in the calculus of variations	43_3	365–376
—— Definitely self-adjoint boundary value problems	44_3	413–428
Boas, R. P. On a generalization of the Stieltjes moment problem	46_1	142–150
—— Expansions of analytic functions	48_3	467–487
Boas, R. P., and Widder, D. V. The iterated Stieltjes transform	45_1	1– 72
Bochner, S. Harmonic surfaces in Riemann metric	47_1	146–154
Brauer, R. On sets of matrices with coefficients in a division ring	49_3	502–548
Burington, R. S. On circavariant matrices and circa-equivalent networks	48_3	377–390
Busemann, H., and Mayer, W. On the foundations of calculus of variations	49_2	173–198
Calkin, J. W. Abstract symmetric boundary conditions	45_3	369–442
Cameron, R. H., and Martin, W. T. Analytic continuation of diagonals and Hadamard compositions of multiple power series	44_1	1– 7
Cameron, R. H., and Wiener, N. Convergence properties of analytic functions of Fourier-Stieltjes transforms	46_1	97–109
Camp, B. H. Correction to the paper "The multinomial solid and the chi test"	44_1	151
Carlitz, L. A class of polynomials	43_2	167–182
Chanler, J. H. The involution curve determined from a special pencil of n-ics	42_1	1– 15
Clarkson, J. A., and Adams, C. R. The type of certain Borel sets in several Banach spaces	45_2	322–334
—— Correction to "Properties of functions $f(x, y)$ of bounded variation"	46_3	468
Clifford, A. H., and MacLane, S. Factor-sets of a group in its abstract unit group	50_3	385–406
Coburn, N. Conformal unitary spaces	50_1	26– 39
Coolidge, J. L. Analytic systems of central conics in space	48_3	359–376
Copeland, A. H. Consistency of the conditions determining Kollektivs	42_3	333–357
Courant, R. On a generalized form of Plateau's problem	50_1	40– 47
Coxeter, H. S. M. The abstract groups $G^{m,n,p}$	45_1	73–150
Cramér, H. On the representation of a function by certain Fourier integrals	46_2	191–201

	Vol.	Pages
Curry, H. B. The paradox of Kleene and Rosser	50_3	454–516
Curtiss, J. H. On the Jacobi series	49_3	467–501
De Cicco, J. The geometry of whirl series	43_3	344–358
—— The differential geometry of series of lineal elements	46_3	348–361
—— The geometry of fields of lineal elements	47_2	207–229
De Cicco, J., and Kasner, E. Families of curves conformally equivalent to circles	49_3	378–391
Dilworth, R. P. Non-commutative residuated lattices	46_3	426–444
—— Ideals in Birkhoff lattices	49_3	325–353
Dilworth, R. P., and Ward, M. Residuated lattices	45_3	335–354
Doob, J. L. Stochastic processes depending on a continuous parameter	42_1	107–140
—— Stochastic processes with an integral-valued parameter	44_1	87–150
—— Regularity properties of certain families of chance variables	47_3	455–486
Douglas, J. A new special form of the linear element of a surface	48_1	101–116
—— Solution of the inverse problem of the calculus of variations	50_1	71–128
Duffin, R. J., and Schaeffer, A. C. A refinement of an inequality of the brothers Markoff	50_3	517–528
Dunford, N. Uniformity in linear spaces	44_2	305–356
Dunford, N., and Pettis, B. J. Linear operations on summable functions	47_3	323–392
Feller, W. On the integro-differential equations of purely discontinuous Markoff processes	48_3	488–515
Fialkow, A. Conformal geodesics	45_3	443–473
Fialkow, A., and Kasner, E. Geometry of dynamical trajectories at a point of equilibrium	41_2	314–320
Flood, M. M. Equivalence of pairs of matrices	44_1	8– 17
Franklin, P. A new class of transcendental numbers	42_2	155–182
Friedman, B. Analyticity of equilibrium figures of rotation	43_2	183–198
Friedrichs, K. On certain inequalities and characteristic value problems for analytic functions and for functions of two variables	41_3	321–364
Garabedian, H. L., and Wall, H. S. Hausdorff methods of summation and continued fractions	48_2	185–207
Gelbart, A. On the growth properties of a function of two complex variables given by its power series expansion	49_2	199–210
Gleyzal, A. Order types and structure of orders	48_3	451–466
Gore, G. D. Transformations of a surface bearing a family of asymptotic curves	43_2	303–320
Graustein, W. C. Extensions of the four-vertex theorem	41_1	9– 23

	Vol.	Pages
—— Harmonic minimal surfaces	47_2	173–206
Greville, T. N. E. Invariance of the admissibility of numbers under certain general types of transformations	46_3	410–425
Grove, V. G. Geometry of a surface in the neighborhood of a spine	45_2	256–264
Hall, D. W. On a decomposition of true cyclic elements	47_2	305–321
Hall, D. W., and Whyburn, G. T. Arc- and tree-preserving transformations	48_1	63– 71
Hall, M. An isomorphism between linear recurring sequences and algebraic rings	44_2	196–218
—— The position of the radical in an algebra	48_3	391–404
Halperin, I. On the transitivity of perspectivity in continuous geometries	44_3	537–562
Hamilton, O. H. Fixed points under transformations of continua which are not connected in Kleinen	44_1	18– 24
Hartman, P. Mean motions and almost periodic functions	46_1	66– 81
Hestenes, M. R. A direct sufficiency proof for the problem of Bolza in the calculus of variations	42_1	141–154
Hestenes, M. R., and McShane, E. J. A theorem on quadratic forms and its application in the calculus of variations	47_3	501–512
Hille, E. Contributions to the theory of Hermitian series. II. The representation problem	47_1	80– 94
Hollcroft, T. R. The binet of quadrics in S_3	42_1	32– 40
Hopkins, C. Concerning uniqueness-bases of finite groups with applications to p-groups of class 2	41_2	287–313
Ingraham, M. H., and Wolf, M. C. Relative linear sets and similarity of matrices whose elements belong to a division algebra	42_1	16– 31
Iyer, V. G. On effective sets of points in relation to integral functions	42_3	358–365
—— A correction to the paper "On effective sets of points in relation to integral functions"	43_3	494
Jackson, D. Orthogonal polynomials with auxiliary conditions	48_1	72– 81
Jacobson, N. Abstract derivation and Lie algebras	42_2	206–224
—— Restricted Lie algebras of characteristic p	50_1	15– 25
James, R. D. A problem in additive number theory	43_2	296–302
Jeffery, R. L. Functions defined by sequences of integrals and the inversion of approximate derived numbers	41_2	171–192
Jennings, S. A. The structure of the group ring of a p-group over a modular field	50_1	175–185

	Vol.	Pages
Jones, F. B. Concerning certain topologically flat spaces	42_1	53– 93
van Kampen, E. R., and Wintner, A. On the reduction of dynamical systems by means of parametrized invariant relations	44_2	168–195
Kasner, E. The geometry of isogonal and equi-tangential series	42_1	94–106
—— The two conformal invariants of fifth order	44_1	25– 31
—— Conformality in connection with functions of two complex variables	48_1	50– 62
Kasner, E., and De Cicco, J. Families of curves conformally equivalent to circles	49_3	378–391
Kasner, E., and Fialkow, A. Geometry of dynamical trajectories at a point of equilibrium	41_2	314–320
Kawaguchi, A. Geometry in an n-dimensional space with the arc length $s=\int\{A_i(x, x')x''^i+B(x, x')\}^{1/p}dt$	44_2	153–167
Ketchum, P. W. On the possible rate of growth of an analytic function	49_2	211–228
Kiokemeister, F. The parastrophic criterion for the factorization of primes	50_1	140–159
Klipple, E. G. Two-dimensional spaces in which there exist contiguous points	44_2	250–276
Kober, H. On a theorem of Schur and on fractional integrals of purely imaginary order	50_1	160–174
Langer, R. E. The boundary problem of an ordinary linear differential system in the complex domain	46_2	151–190
—— A correction to "The boundary problem of an ordinary linear differential system in the complex domain"	46_3	467
Laporte, O. Stereographic parameters and pseudo-minimal hypersurfaces, II	41_1	124–137
Lehmer, D. H. On the series for the partition function	43_2	271–295
—— On the remainders and convergence of the series for the partition function	46_3	362–373
Levinson, N. On the growth of analytic functions	43_2	240–257
Lewis, D. C. Contributions to the transformation theory of dynamics	46_3	374–388
Lewy, H. A priori limitations for solutions of Monge-Ampère equations. II	41_3	365–374
—— On differential geometry in the large, I. (Minkowski's problem)	43_2	258–270
—— Generalized integrals and differential equations	43_3	437–464
Loomis, L. H. The decomposition of meromorphic functions into rational functions of univalent functions	50_1	1– 14

	Vol.	Pages
Lorch, E. R. On a calculus of operators in reflexive vector spaces	45_2	217–234
—— The integral representation of weakly almost-periodic transformations in reflexive vector spaces	49_1	18– 40
Lubben, R. G. Concerning limiting sets in abstract spaces, II	43_3	482–493
—— Concerning the decomposition and amalgamation of points, upper semi-continuous collections, and topological extensions	49_3	410–466
McShane, E. J. Some existence theorems in the calculus of variations. I. The Dresden corner condition	44_3	429–438
—— Some existence theorems in the calculus of variations. II. Existence theorems for isoperimetric problems in the plane	44_3	439–453
—— Some existence theorems in the calculus of variations. III. Existence theorems for nonregular problems	45_1	151–171
—— Some existence theorems in the calculus of variations. IV. Isoperimetric problems in non-parametric form	45_2	173–196
—— Some existence theorems in the calculus of variations. V. The isoperimetric problem in parametric form	45_2	197–216
McShane, E. J., and Hestenes, M. R. A theorem on quadratic forms and its application in the calculus of variations	47_3	501–512
MacColl, L. A. Geometric aspects of relativistic dynamics	46_3	328–347
MacLane, S. The Schönemann-Eisenstein irreducibility criteria in terms of prime ideals	43_2	226–239
—— Steinitz field towers for modular fields	46_1	23– 45
MacLane, S., and Clifford, A. H. Factor-sets of a group in its abstract unit group	50_3	385–406
MacLane, S., and Schilling, O. F. G. Normal algebraic number fields	50_2	295–384
MacNeille, H. M. Partially ordered sets	42_3	416–460
Madow, W. G. Contributions to the theory of multivariate statistical analysis	44_3	454–495
Maker, P. T. Conditions on $u(x, y)$ and $v(x, y)$ necessary and sufficient for the regularity of $u+iv$	45_2	265–275
Marcinkiewicz, J., and Zygmund, A. On the behavior of trigonometric series and power series	50_3	407–453
Marden, M. Kakeya's problem on the zeros of the derivative of a polynomial	45_3	355–368
Martin, R. S. Minimal positive harmonic functions	49_1	137–172
Martin, V., and Roberts, J. H. Two-to-one transformations on 2-manifolds	49_1	1– 17
Martin, W. T. On a minimum problem in the theory of analytic functions of several variables	48_2	351–357

	Vol.	Pages
Martin, W. T., and Cameron, R. H. Analytic continuation of diagonals and Hadamard compositions of multiple power series	44_1	1– 7
Mayer, W., and Busemann, H. On the foundations of calculus of variations	49_2	173–198
Milgram, A. N. Decompositions and dimension of closed sets in R^n	43_3	465–481
Montgomery, D. Almost periodic transformation groups	42_2	322–332
Montgomery, D., and Zippin, L. Topological group foundations of rigid space geometry	48_1	21– 49
Moore, R. L. Concerning essential continua of condensation	42_1	41– 52
Morrey, C. B. On the solutions of quasi-linear elliptic partial differential equations	43_1	126–166
Morse, A. P. Convergence in variation and related topics	41_1	48– 83
—— A continuous function with no unilateral derivatives	44_3	496–507
Morse, A. P., and Adams, C. R. On the space (BV)	42_2	194–205
—— Continuous additive functionals on the space (BV) and certain subspaces	48_1	82–100
Murdoch, D. C. Structure of abelian quasi-groups	49_3	392–409
Murray, F. J. On complementary manifolds and projections in spaces L_p and l_p	41_1	138–152
—— Bilinear transformations in Hilbert space	45_3	474–507
Murray, F. J., and von Neumann, J. On rings of operators. II	41_2	208–248
Neuhaus, A. Products of normal semi-fields	49_1	106–121
von Neumann, J., and Murray, F. J. On rings of operators. II	41_2	208–248
von Neumann, J., and Schoenberg, I. J. Fourier integrals and metric geometry	50_2	226–251
Niven, I. Integers of quadratic fields as sums of squares	48_3	405–417
Oldenburger, R. Rational equivalence of a form to a sum of pth powers	44_2	219–249
—— Exponent trajectories in symbolic dynamics	46_3	453–466
Ore, O. On the theorem of Jordon-Hölder	41_2	266–275
—— On functions with bounded derivatives	43_2	321–326
Pall, G. On the arithmetic of quaternions	47_3	487–500
Perlis, S. Maximal orders in rational cyclic algebras of composite degree	46_1	82– 96
Pettis, B. J. On integration in vector spaces	44_2	277–304
Pettis, B. J., and Dunford, N. Linear operations on summable functions	47_3	323–392
Phillips, R. S. Integration in a convex linear topological space	47_1	114–145

	Vol.	Pages
—— On linear transformations	48_3	516–541
Pólya, G. Sur l'existence de fonctions entières satisfaisant à certaines conditions linéaires	50_1	129–139
Poritsky, H. Generalizations of the Gauss law of the spherical mean	43_2	199–225
Post, E. L. Polyadic groups	48_2	208–350
Price, G. B. The theory of integration	47_1	1– 50
Puckett, W. T. On 0-regular surface transformations	47_1	95–113
Radó, T., and Reichelderfer, P. A theory of absolutely continuous transformations in the plane	49_2	258–307
Randels, W. C. On the summability of Fourier series	41_1	24– 47
—— On an approximate functional equation of Paley	43_1	102–125
Raudenbush, H. W., and Ritt, J. F. Ideal theory and algebraic difference equations	46_3	445–452
Reade, M., and Beckenbach, E. F. Generalizations to space of the Cauchy and Morera theorems	49_3	354–377
Reichelderfer, P., and Radó, T. A theory of absolutely continuous transformations in the plane	49_2	258–307
Reid, W. T. A direct expansion proof of sufficient conditions for the non-parametric problem of Bolza	42_2	183–190
—— A system of ordinary linear differential equations with two-point boundary conditions	44_3	508–521
Rinehart, R. F. An interpretation of the index of inertia of the discriminant matrices of a linear associative algebra	46_3	307–327
Ritt, J. F. On a type of algebraic differential manifold	48_3	542–552
Ritt, J. F., and Raudenbush, H. W. Ideal theory and algebraic difference equations	46_3	445–452
Robbins, H. On the classification of the mappings of a 2-complex	49_2	308–324
Roberts, J. H., and Martin, V. Two-to-one transformations on 2-manifolds	49_1	1– 17
Saks, S. On some functionals. II	41_1	160–170
Schaeffer, A. C. Existence theorem for the flow of an ideal incompressible fluid in two dimensions	42_3	497–513
Schaeffer, A. C., and Duffin, R. J. A refinement of an inequality of the brothers Markoff	50_3	517–528
Schaeffer, A. C., and Szegö, G. Inequalities for harmonic polynomials in two and three dimensions	50_2	187–225
Schilling, O. F. G. Regular normal extensions over complete fields	47_3	440–454
Schilling, O. F. G., and MacLane, S. Normal algebraic number fields	50_2	295–384

	Vol.	Pages
Schoenberg, I. J. Metric spaces and positive definite functions	44_3	522–536
Schoenberg, I. J., and von Neumann, J. Fourier integrals and metric geometry	50_2	226–251
Schwid, N. A correction to "The asymptotic forms of the Hermite and Weber functions"	47_2	322
Scott, W. T., and Wall, H. S. A convergence theorem for continued fractions	47_1	155–172
Sewell, W. E. Generalized derivatives and approximation by polynomials	41_1	84–123
Sewell, W. E., and Walsh, J. L. On the degree of polynomial approximation to analytic functions: Problem β.	49_2	229–257
Sheffer, I. M. A correction	41_1	153–159
Shohat, J. On mechanical quadratures, in particular, with positive coefficients	42_3	461–496
Singer, J. A theorem in finite projective geometry and some applications to number theory	43_3	377–385
Sokolnikoff, E. S., and Sokolnikoff, I. S. Thermal stresses in elastic plates	45_2	235–255
Sokolnikoff, I. S., and Sokolnikoff, E. S. Thermal stresses in elastic plates	45_2	235–255
Spencer, D. C. On finitely mean valent functions. II	48_3	418–435
Stone, M. H. Applications of the theory of Boolean rings to general topology	41_3	375–481
Strodt, W. C. Irreducibile systems of algebraic differential equations	45_2	276–297
Synge, J. L. The absolute optical instrument	44_1	32– 46
Szász, O. Fourier series and mean moduli of continuity	42_3	366–395
—— On strong summability of Fourier series	48_1	117–125
Szegö, G. On the gradient of solid harmonic polynomials	47_1	51– 65
Szegö, G., and Schaeffer, A. C. Inequalities for harmonic polynomials in two and three dimensions	50_2	187–225
Tornheim, L. Integral sets of quaternion algebras over a function field	48_3	436–450
Torrance, C. C. Tangent lines and planes in topological spaces	41_2	193–207
Trjitzinsky, W. J. Theory of non-linear singular differential systems	42_2	225–321
—— General theory of singular integral equations with real kernels	46_2	202–279
—— Properties of growth for solutions of differential equations of dynamical type	50_2	252–294

	Vol.	Pages
Wald, A. Limits of a distribution function determined by absolute moments and inequalities satisfied by absolute moments	46_2	280–306
Wall, H. S. Continued fractions and totally monotone sequences	48_2	165–184
Wall, H. S., and Garabedian, H. L. Hausdorff methods of summation and continued fractions	48_2	185–207
Wall, H. S., and Scott, W. T. A convergence theorem for continued fractions	47_1	155–172
Walsh, J. L. On interpolation by functions analytic and bounded in a given region	46_1	46– 65
—— On the degree of convergence of sequences of rational functions	47_2	254–292
—— Note on the degree of convergence of sequences of analytic functions	47_2	293–304
Walsh, J. L., and Sewell, W. E. On the degree of polynomial approximation to analytic functions: Problem β	49_2	229–257
Ward, M. Linear divisibility sequences	41_2	276–286
—— The law of apparition of primes in a Lucasian sequence	44_1	68– 86
Ward, M., and Dilworth, R. P. Residuated lattices	45_3	335–354
Weyl, H. Theory of reduction for arithmetical equivalence	48_1	126–164
Whyburn, G. T., and Hall, D. W. Arc- and tree-preserving transformations	48_1	63– 71
Widder, D. V. The Stieltjes transform	43_1	7– 60
Widder, D. V., and Boas, R. P. The iterated Stieltjes transform	45_1	1– 72
Wiener, N., and Cameron, R. H. Convergence properties of analytic functions of Fourier-Stieltjes transforms	46_1	97–109
Williams, W. L. Permanent configurations in the problem of five bodies	44_3	563–579
Wintner, A., and van Kampen, E. R. On the reduction of dynamical systems by means of parametrized invariant relations	44_2	168–195
Wolf, M. C., and Ingraham, M. H. Relative linear sets and similarity of matrices whose elements belong to a division algebra	42_1	16– 31
Woodard, D. W. The characterization of the closed n-cell	42_3	396–415
Zariski, O. Generalized weight properties of the resultant of $n+1$ polynomials in n indeterminates	41_2	249–265
—— Pencils on an algebraic variety and a new proof of a theorem of Bertini	50_1	48– 70

	Vol.	Pages
Zippin, L., and Montgomery, D. Topological group foundations of rigid space geometry	48_1	21– 49
Zorn, M. Continuous groups and Schwarz' lemma	46_1	1– 22
Zuckerman, H. S. On the coefficients of certain modular forms belonging to subgroups of the modular group	45_2	298–321
Zygmund, A., and Marcinkiewicz, J. On the behavior of trigonometric series and power series	50_3	407–453
Errata, volume 41 (Morse, A. P. Convergence in variation and related topics, pp. 48–83; Ore, O. On the theorem of Jordon-Hölder, pp. 266–275)	41_3	482